

# 2002 Annual Report Timber Management Data Section

In this section, DNR provides data on timber management activities on state trust forestland, as required by RCW 79.01.744 (3):

...(3) The commissioner of public lands shall provide annual reports to the respective trust beneficiaries, including each county. The report shall include, but not be limited to, the following: acres sold, acres harvested, number of stems per acre, acres precommercially thinned, acres commercially thinned, acres partially cut, and the total number of acres off base for harvest and an explanation of why those acres are off base for harvest.

## About these pages

- These pages include data for both Forest Board lands and federally granted trust lands. Trusts are listed individually.
- Counties that contain Forest Board lands but are not listed for an activity did not have that activity during FY02.
- Numbered notes apply only to the page on which they appear.
- Numbers may not add due to rounding.

# Timber Sold: July 1, 2001 – June 30, 2002

► 2002 Annual Report to  
Trust Beneficiaries per  
RCW 79.01.744

Trust / Beneficiaries	Number of Acres	Volume <sup>1</sup> (mbf) <sup>2</sup>
<b>Forest Board Transfer</b>		
Clallam	724	17,821
Clark	548	13,629
Cowlitz	458	15,486
Grays Harbor	0	1
Jefferson	416	5,598
King <sup>4</sup>	618	8,819
Kitsap	102	2,396
Klickitat	928	7,170
Lewis	483	12,394
Mason	565	12,338
Pacific	222	6,206
Pierce	228	5,956
Skagit	1,215	36,789
Skamania	366	3,212
Snohomish	971	29,979
Thurston	513	7,030
Wahkiakum	56	1,797
Whatcom	572	19,403
Subtotal - Forest Board Transfer	8,985	206,024
<b>Forest Board Purchase</b>		
Grays Harbor <sup>3</sup>	729	26,368
Mason	131	3,974
Pacific <sup>5</sup>	72	2,145
Pierce <sup>5</sup>	10	364
Skamania	137	1,193
Thurston <sup>3</sup>	499	19,506
Subtotal - Forest Board Purchase	2,276	53,550
<b>Common School, Indemnity &amp; Escheat</b>	11,488	157,312
<b>Agricultural School</b>	984	8,396
<b>University - Transferred &amp; Original</b>	7	232
<b>CEP&amp;RI</b>	1,050	22,141
<b>Capitol Building</b>	1,649	24,211
<b>Normal School</b>	259	8,181
<b>Scientific School</b>	780	14,134
<b>Community &amp; Technical College</b>		
<b>Forest Reserve</b>	112	615
Subtotal - Granted Trusts	16,329	235,222
<b>TOTAL - ALL TRUSTS</b>	<b>27,587</b>	<b>494,798</b>

<sup>1</sup> Timber volume sold per acre depends on site-specific conditions and harvest method.

<sup>2</sup> mbf: thousand board feet

<sup>3</sup> Includes Forest Board repayment. (See Fiscal Section, page 17, item 8.)

<sup>4</sup> Includes Water Pollution Control data.

<sup>5</sup> Includes University Repayment data.

## Notes

- Timber is sold before it is harvested. Timber sale contracts average two years in length, with timber harvest schedules determined by individual purchasers. Sale and harvest of timber may or may not occur in the same fiscal year. Revenues are generated when timber is harvested.

- Market conditions can influence number of sales and volume sold.

- Sales which contain more than one trust beneficiary report estimated acres and volume harvested from the total acres and volume for the specific trust. Sales which benefit more than one trust distribute revenues proportionally by volume and not by acres.

- Numbers may not add due to rounding.

## Sources

- DNR Revenue Management System database, Report TSC311; 1/03.

# Silviculture<sup>1</sup>: July 1, 2001 – June 30, 2002

► 2002 Annual Report to  
Trust Beneficiaries per  
RCW 79.01.744

Trust / Beneficiaries	Acres Planted <sup>2</sup>	Stems per Acre <sup>3</sup>	Precommercially Thinned Acres <sup>4</sup>
<b>Forest Board Transfer</b>			
Clallam	1215	267	179
Clark	213	350	50
Cowlitz	245	311	0
Grays Harbor	54	311	85
Jefferson	153	364	0
King <sup>5</sup>	272	698	0
Kitsap	164	207	0
Klickitat	159	277	0
Lewis	327	332	0
Mason	216	300	0
Pacific	331	352	0
Pierce	98	314	0
Skagit	327	295	1,396
Skamania	92	345	0
Snohomish	736	297	1,145
Thurston	559	337	51
Wahkiakum	225	185	130
Whatcom	513	387	260
Subtotal - Forest Board Transfer	5,899	NA	3,296
<b>Forest Board Purchase</b>			
Grays Harbor	309	301	158
Lewis	38	387	0
Pacific	174	186	0
Snohomish	133	167	0
Thurston	369	319	242
Subtotal - Forest Board Purchase	1,023	NA	400
<b>Common School, Indemnity &amp; Escheat</b>	5,204	279	2,062
<b>Agricultural School</b>	67	383	16
<b>University - Transferred &amp; Original</b>	0	0	266
<b>CEP&amp;RI</b>	343	300	114
<b>Capitol Building</b>	617	330	39
<b>Normal School</b>	176	364	165
<b>Scientific School</b>	179	300	36
<b>Community &amp; Technical College</b>			
Forest Reserve	0	0	34
<b>TOTAL - ALL TRUSTS</b>	<b>13,508</b>	<b>NA</b>	<b>6,428</b>

<sup>1</sup> Silvicultural activities are forest management practices; implementation of silvicultural practices varies according to site-specific conditions and availability of management funding.

<sup>2</sup> Acres planted include all planting processes and all tree species.

<sup>3</sup> Stems per acre planted depend on site-specific conditions and anticipated survival rates.

<sup>4</sup> Precommercially thinned acres increase yield rate per acre by selectively decreasing overcrowding of saplings.

<sup>5</sup> Includes Water Pollution Control data.

**Note**  
Numbers may not add due to rounding.

**Source**  
DNR Planning and Tracking System database, 11/02.

# Timber Harvested<sup>3</sup>: July 1, 2001 – June 30, 2002

► 2002 Annual Report to  
Trust Beneficiaries per  
RCW 79.01.744

Trust / Beneficiaries	Volume <sup>1</sup> (mbf) <sup>2</sup>
<b>Forest Board Transfer</b>	
Clallam	23,552
Clark	9,774
Cowlitz	11,021
Grays Harbor	4,741
Jefferson	2,275
King <sup>5</sup>	6,696
Kitsap	165
Klickitat	6,033
Lewis	9,175
Mason	4,701
Pacific	8,568
Pierce	4,902
Skagit	38,332
Skamania	1,800
Snohomish	28,290
Thurston	17,805
Wahkiakum	10,682
Whatcom	14,764
Subtotal - Forest Board Transfer	203,276
<b>Forest Board Purchase</b>	
Grays Harbor <sup>4</sup>	23,497
Lewis	3,091
Pacific <sup>6</sup>	7,776
Pierce <sup>6</sup>	1,053
Thurston <sup>4</sup>	15,105
Subtotal - Forest Board Purchase	50,523
<b>Common School, Indemnity &amp; Escheat</b>	153,769
<b>Agricultural School</b>	4,855
<b>University-Transferred &amp; Original</b>	2,628
<b>CEP&amp;RI</b>	11,675
<b>Capitol Building</b>	31,662
<b>Normal School</b>	12,393
<b>Scientific School</b>	20,046
<b>Community &amp; Technical College</b>	
<b>Forest Reserve</b>	1,345
Subtotal - Granted Trusts	238,374
<b>TOTAL - ALL TRUSTS</b>	<b>492,173</b>

<sup>1</sup> Timber volume harvested per acre depends on site-specific conditions and harvest method.

<sup>2</sup> mbf: thousand board feet

<sup>3</sup> Acres and volume harvested are estimated for sales partially harvested.

<sup>4</sup> Includes Forest Board repayment. (See Fiscal Section, page 17, item 8.)

<sup>5</sup> Includes Water Pollution Control data.

<sup>6</sup> Includes University Repayment data.

## Notes

- Timber is sold before it is harvested. Timber sale contracts average two years in length, with timber harvest schedules determined by individual purchasers. Sale and harvest of timber may or may not occur in the same fiscal year. Revenues are generated when timber is harvested.

- Sales which contain more than one trust beneficiary report estimated acres and volume harvested from the total acres and volume for the specific trust. Sales which benefit more than one trust distribute revenues proportionally by volume and not by acres.

- Numbers may not add due to rounding.

## Sources

- DNR Revenue Management System database, Report TSC311, 1/03.

# Timber Harvested<sup>1</sup>: July 1, 2001 – June 30, 2002

► 2002 Annual Report to Trust Beneficiaries per RCW 79.01.744

Trust / Beneficiaries	Acres Commercially Thinned/ Small Wood <sup>2</sup>	Acres Partially Cut/ Older Stand Thinning <sup>3</sup>	Acres Clear cut/ Regeneration Harvest	Total Acres <sup>4</sup>	Average Year of Clear-Cut Stand
<b>Forest Board Transfer</b>					
Clallam	126	69	669	865	1937
Clark	0	101	325	427	1939
Cowlitz	0	0	331	331	1929
Grays Harbor	1	0	132	133	1941
Jefferson	0	0	78	78	1927
King	59	0	218	277	1928
Kitsap	0	0	8	8	1938
Klickitat	0	518	104	622	1883
Lewis	284	62	263	609	1939
Mason	0	0	176	176	1929
Pacific	0	0	199	199	1931
Pierce	2	0	108	111	1931
Skagit	0	185	936	1,121	1931
Skamania	0	0	57	57	1925
Snohomish	124	289	609	1,023	1939
Thurston	94	174	398	667	1937
Wahkiakum	32	0	192	225	1936
Whatcom	44	0	361	405	1929
Subtotal - Forest Board Transfer	768	1,400	5,174	7,344	NA
<b>State Forest Board Purchase</b>					
Grays Harbor	113	28	360	502	1939
Lewis	0	0	92	92	1945
Pacific	0	0	105	105	1937
Pierce	0	0	21	21	1931
Thurston	5	138	225	369	1934
Subtotal - Forest Board Purchase	119	166	804	1,090	NA
<b>Common School, Indemnity/Escheat</b>	1,292	6,481	3,932	11,706	1928
<b>Agricultural School</b>	247	0	91	340	1934
<b>University - Transferred/Original</b>	243	0	70	315	1939
<b>CEP&amp;RI</b>	15	251	160	427	1928
<b>Capitol Building</b>	531	132	769	1,432	1937
<b>Normal School</b>	36	115	391	543	1932
<b>Scientific School</b>	267	11	368	647	1936
<b>Community &amp; Technical College Forest Reserve</b>	0	23	48	72	1954
Subtotal - Granted Trusts	2,635	7,017	5,837	15,487	NA
<b>TOTAL - ALL TRUSTS</b>	<b>3,522</b>	<b>8,583</b>	<b>11,815</b>	<b>23,921</b>	<b>NA</b>

<sup>1</sup> The department tracks harvest method information in ten categories; for purposes of this report, per RCW 79.01.744, the data are aggregated into three harvest methods.

<sup>2</sup> Commercial thinning/small wood generates revenue, promotes growth of the remaining trees and creates desired future forest conditions.

<sup>3</sup> Partial cuts/older stands thinning generate revenue and help achieve desired future forest conditions.

<sup>4</sup> Total acres include total of all harvest activities.

## Notes

● Harvested acres shown are fiscal year 2002 activities only; acres are reported again in the future if additional harvest activities occur. Acres and volume harvested are estimated for sales partially harvested. Timber volume harvested per acre depends on site-specific conditions and harvest method.

● Sales which contain more than one trust beneficiary report estimated acres and volume harvested from the total acres and volume for the specific trust. Sales which benefit more than one trust distribute revenues proportionally by volume and not by acres.

● Numbers may not add due to rounding.

## Sources

● DNR Revenue Management System database, Report TSC348P2, 12/02.

# Acres Off-Base for Harvest: July 1, 2001 – June 30, 2002

► 2002 Annual Report to  
Trust Beneficiaries per  
RCW 79.01.744

Trust / Beneficiaries	Off-base acres <sup>1</sup>
<b>Forest Board Transfer</b>	
Clallam	16,793
Clark	1,825
Cowlitz	1,372
Grays Harbor	238
Jefferson	947
King	3,525
Kitsap	544
Klickitat	5,653
Lewis	3,513
Mason	2,183
Pacific	1,596
Pierce	474
Skagit	14,454
Skamania	10,726
Snohomish	7,418
Stevens	19
Thurston	4,482
Wahkiakum	1,056
Whatcom	8,207
Subtotal - Forest Board Tansfer	85,025
<b>Forest Board Purchase</b>	
Clallam	89
Clark	1,380
Cowlitz	150
Grays Harbor	2,168
Jefferson	3
Kitsap	10
Lewis	124
Mason	30
Pacific	956
Pierce	256
Skamania	838
Snohomish	24
Thurston	1,253
Whatcom	182
Subtotal - Forest Board Purchase	7,463
<b>Common School, Indemnity &amp; Escheat</b>	302,531
<b>Agricultural School</b>	6,348
<b>University - Transferred</b>	10,500
<b>CEP&amp;RI</b>	7,802
<b>Capitol Building</b>	17,471
<b>Normal School</b>	12,040
<b>Scientific School</b>	9,248
<b>University - Original</b>	343
<b>Community &amp; Technical College</b>	
<b>Forest Reserve</b>	77
<b>TOTAL - ALL TRUSTS</b>	<b>458,848</b>

RCW 79.01.744 requires information on the "...total number of acres off-base for harvest and an explanation of why those acres are off-base for harvest...."

**1 OFF-BASE:** Under the 1992 Forest Resource Plan, the department's principal forest resource policy document, forest lands are designated as on-base or off-base. On-base acres are those areas capable of producing timber, are not deferred from harvest, and are included in the department's long-range timber harvest plans, consistent with the 1996 sustainable harvest calculation.

Off-base acres include acres which cannot produce a recurring timber crop. Forest stands are classified as off-base, for example, when they are small, isolated, difficult to reach, or too costly to log.

Acres are designated off-base because they are inoperable, are low site, contain permanent research plots, are upland wildlife management areas, are timber gene pool reserves, are on unstable slopes, in riparian buffers, are located in a northern spotted owl nest patch, contain a northern spotted owl site center, are identified as murrelet habitat, or are included in the Olympic Experimental State Forest deferral areas.

Off-base land classifications are not permanent designations. The department may change the classification as specific forest stands or sites are re-evaluated.

Off-base acres include deferred acres, those where harvesting is postponed or deferred for a period of time.

## NOTES

- This 2002 Annual Report section includes all eastern Washington forestlands. Some east-side forestlands may not produce harvestable timber in 80 years, and are therefore classified off-base in the 1996 sustainable harvest calculation.

- Acreage updates and changes can occur over time due to technological refinements in data gathering and analysis, such as the Forest Resource Inventory System program.

- A specific site can be off-base due to one or more factors, some of which are noted above; a site may be designated off-base due to several factors simultaneously.

- Numbers may not add due to rounding or potential double counting.

## SOURCES

- Sustainable Harvest database, 1996; Forest Resource Plan, 1992.

Note: DNR is currently updating sustainable harvest information; this chart may be revised in future reports.